

AMENDMENTS TO THE CLAIMS

1-2. (Cancelled)

3. (Previously Presented) A method of producing a phosphor for a plasma display device, comprising:

a process in which one of metal salt, nitrate salt, and organometallic salt, including zinc, silicon and manganese elements which comprise a green phosphor, are blended so that an element ratio of Zn to Si is to be 2/1, and then the salt and water are mixed to produce mixed liquid;

a pre-firing process in which, after the mixed liquid is dried, the mixed liquid is fired in an air at 600°C to 900°C, to produce pre-fired matter; and

a firing process in which the pre-fired matter is fired in an atmosphere including at least one of N₂, N₂-O₂, and Ar-O₂, between 0.105 MPa and 150MPa inclusive, at 1,000°C to 1,350°C.

4. (Previously Presented) A method of producing a phosphor for a plasma display device, comprising:

a process of mixing a raw material for a phosphor, in which a raw material of oxide and/or carbonate including zinc, silicon and manganese elements which comprise a green phosphor, are mixed;

a pre-firing process in which the mixed raw material is fired in an air at 600°C to 900°C, to produce pre-fired matter; and

a firing process in which the pre-fired matter is fired in an atmosphere including at least one of N₂, N₂-O₂, and Ar-O₂, between 0.105 MPa and 150MPa inclusive, at 1,000°C to 1,350°C.